

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	MAIL STOP PCT
Takahiro Fujiyama et al.	)	Group Art Unit: Unassigned
Application No.:	)	Examiner: Unassigned
Filed: September 26, 2006	)	Confirmation No.: Unassigned
For: NOVEL COMPOUND AND ORGANIC	)	
ELECTRONIC DEVICE USING THE	)	
SAME	)	

## FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were cited in the specification and/or the International Search Report in the corresponding PCT application.

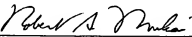
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: September 26, 2006

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**FIRST**  
**INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Application Number	10/594156
Filing Date	September 26, 2006
First Named Inventor	Takahiro Fujiyama et al.
Examiner Name	Unassigned
Attorney Docket No.	1034232-000055

Sheet 1 of 2

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	1-206349*	JAPAN		08-18-1989						X*	X
	5-142812*	JAPAN		06-11-1993						X*	X
	2-216791*	JAPAN		08-29-1990						X*	X
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	11-124382*	JAPAN		05-11-1999				X		X*	
	11-212283*	JAPAN		08-06-1999				X		X*	
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	2005-154409*	JAPAN		06-16-2005				X		X*	

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	C.W. TANG ET AL., "Organic Electroluminescent Diodes", Applied Physics Letters, September 21, 1987, pp 913-915, Vol. 51, No. 12, American Institute of Physics.
	RAFIK O. LOUFTY ET AL., "Photovoltaic Properties of Metal-Free Phthalocyanines. I. Al/H <sub>2</sub> Pc Schottky Barrier Solar Cells", J. Chem. Phys., August 1, 1979, pp 1211-1217, Vol. 71, No. 3, American Institute of Physics.
	YUTAKA HARIMA ET AL., "Spectral Sensitization in an Organic p-n Junction Photovoltaic Cell", Applied Physics Letters, November 15, 1984, pp 1144-1145, Vol. 45, No. 10, American Institute of Physics.
	MASAHIRO HIRAMOTO ET AL., "p-I-n Like Behavior in Three-Layered Organic Solar Cells Having a Co-Deposited Interlayer of Pigments", J. Appl. Phys., October 15, 1992, pp 3781-3787, Vol. 72, No. 8, American Institute of Physics.
	AARON S. LUKAS ET AL., "Biomimetic Electron Transfer Using Low Energy Excited States: A Green Perylene-Based Analogue of Chlorophyll a", The Journal of Physical Chemistry, February 14, 2002, pp 1299-1306, Vol. 106, No. 6, The American Chemical Society.
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Examiner Signature	/Charanjit Aulakh/	Date Considered	06/09/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CA/

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	MARTIN P. DEBRECZENY ET AL., "Femtosecond Optical Control of Charge Shift within Electron Donor-Acceptor Arrays: An Approach to Molecular Switches", Journal of the American Chemical Society, August 28, 1996, pp 8174-8175, Vol. 118, No. 34, American Chemical Society.
	AARON S. LUKAS ET AL., "Femtosecond Optical Switching of Electron Transport Direction in Branched Donor-Acceptor Arrays", The Journal of Physical Chemistry, February 10, 2000, pp 931-940, Vol. 104, No. 5, The American Chemical Society.
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	KEN OKAMOTO ET AL., "Effects of Metal Ions on Photoinduced Electron Transfer in Zinc Porphyrin-Naphthalenediimide Linked Systems", Chemistry-A European Journal, January 23, 2004, pp 474-483, Vol. 10, No. 2, Wiley-VCH Verlag GmbH & Co., KGaA, Weinheim.
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	HEINZ LANGHALS ET AL., "Intense Dyes Through Chromophore-Chromophore Interactions: Bi- and Trichromophoric Perylene-3,4,9,10-bis(dicarboximide)s", Angewandte Chemie-International Edition, April 20, 1998, pp 952-955, Vol. 37, No. 7, Wiley-VCH Verlag GmbH, Weinheim.

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Examiner Signature	/Charanjit Aulakh/	Date Considered	06/09/2009
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